

**Notice of Allowability**

Application No.

09/852,281

Examiner

Ted T. Vo

Applicant(s)

BANAVAR ET AL.

Art Unit

2122

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/29/04.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☒ The drawings filed on 30 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**TUAN DAM**  
SUPERVISORY PATENT EXAMINER

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1. The amendment and arguments filed on 4/29/04 have been fully considered. The final action (mailed on 2/23/04) is withdrawn via these arguments. Prior art of record, Eisenstein et al., "Applying Model-Based Techniques to the Development of UIs for Mobile Computers", ACM, Jan. 2001, which was applied in the previous Office actions remains the closest art through extended searches.

#### Reasons for Allowance

2. Claims 1-24 are allowed.

Prior art of record, Eisenstein, discloses a platform model including a UI that might be run in various computer platforms and a presentation model that includes information describing a hierarchy of windows and windows' widgets, stylistic choices, and selections and the placement of these widgets. Eisenstein describes each of widgets acting like an interactor that can providing mapping a presentation model for each device/or platform model; and thus it can provide selecting and mapping a suitable window layout (Re: Eisenstein: pages 70-71, A Platform model and A Presentation model; pages 71-72, Interactor Size).

However, as pointed out by Applicants in the Remarks filed on 4/29/04 to each of claims (re: Remarks: pages 17-24, "For claim 1", "For claim 2"..., "For claim 24") that Eisenstein fails to teach *providing simultaneously for a plurality of target device and providing stylized rendering*. As pointed out by Applicants (re: Remarks: page 10, first paragraph), the Claimed invention is directing to *simulation techniques* while Eisenstein is on fundamental modeling problems (re: Remarks: page 11, "The Prior Art Rejection"). As pointed out by Applicants that the Convention methods of Eisenstein fail to have either the stylized or the ability to simultaneously view more than one target at the same time (re: Remarks: page 11, lines 3-12), where Applicant pointed out that the term "stylistic choice" of Eisenstein can reasonably be understood as having any significance except a reference to specific design choices for a specific target device (re: Remarks: page 17, "For claim 1", second paragraph) and as pointed out by Applicants that Eisenstein fails to show "stylized rendering" in regarding to the limitation of Claim 3 that is design details are purposely hidden in order to present a commonality of a plurality of target device

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representation shown in a single page (re: Remarks: page 18, "For Claim 3"). Therefore, the following is an examiner's statement of reasons for allowance:

The cited prior arts taken alone or in combination fail to teach the claims to methods, systems, apparatus, and Signal-bearing media for *emulating* on a single display platform an application's user interface and comprising at least features:

*"combining a selected one or more of said device characteristics and a selected one of said application formal descriptions; and*

*providing a simultaneous and consistent display representation for said selected application, thereby providing a stylized rendering of said selected application's interface in a uniform appearance and in which said selected application's interface for a plurality of said target devices can selectively be viewed simultaneously",* as recited in independent Claim 1, and in such manners as recited in independent Claims 15, 17, 19, 21, and 24;

*"combining device characteristic information for said target device and a formal description information for said application; and*

*providing a stylized rendering of said application's interface",* as recited in independent Claim 3, and in such manners as recited in independent Claim 22;

so as,

*"retrieving from said memory a device-independent specification information for a user interface for a selected application;*

*retrieving from said memory a device-dependent information for said selected application for a selected one or more of said target devices; and*

*combining said device-independent specification information and said device-dependent information into a single format for a stylized representation on a display device",* as recited in independent Claim 5, and in such manners as recited in independent Claim 23.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (703) 308-9049. The examiner can normally be

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reached on Monday-Friday from 8:00 AM to 5:30 PM ET. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam, can be reached on (703) 305-4552.

The fax phone numbers:

(703) 872-9306 (for formal communication intended for entry);

(703) 746-5429 (for informal or draft communication, please label "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

TTV

AU 2122  
May 25, 2004



**TUAN DAM**  
**SUPERVISORY PATENT EXAMINER**